



A.H. Hoffman, Inc.
P.O.Box 290
Lancaster, NY 14086

Date: June 1, 2000
MSDS No.: SP66505 (c)
Page 1 of 3

MATERIAL SAFETY DATA SHEET

ALUMINUM SULFATE

SECTION I - MATERIAL IDENTIFICATION AND INFORMATION

Aluminum Sulfate, Dry
Product #66505

Manufactured by: AH Hoffman, Inc.
167 Greenfield Road
Lancaster, PA 17605

Components - Chemical Name & Common Names	%	OSHA PEL	ACGIH TLV	Other Limits Recommended
Aluminum Sulfate (Alum) CAS #10043-01-3	57.0	N/A	N/A	TWA 2 mg/m ³ as Allow as Air Contaminated
Non-Hazardous Ingredients Total	43.0 100			

SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A
Specific Gravity (H ₂ O = 1)	1.61
Vapor Pressure (mm Hg. and Temperature)	Negligible
Vapor Density (AIR = 1)	N/A
Solubility in Water	50% @ 32°F
Melting Point	105°C
Evaporation Rate (Butyl Acetate = 1)	N/A
Water Reactive	No
Appearance and Odor	White or Brownish Crystals with No Odor

SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used)	Non-Flammable
Auto-Ignition Temperature	N/A
Flammable Limits in Air % by Volume	N/A
LEL	N/A
UEL	N/A
Extinguisher Media	Water
Special Fire Fighting Procedures	Wear NIOSH Approved Self Contained Breathing Apparatus
Unusual Fire and Explosion Hazards	See Hazardous Decomposition Products in Section IV.



A.H. Hoffman, Inc.
P.O.Box 290
Lancaster, NY 14086

Date: June 1, 2000
MSDS No.: SP66505 (c)
Page 2 of 3

SECTION V - REACTIVITY HAZARD DATA

Stability	
Unstable	<input type="checkbox"/>
Stable	<input checked="" type="checkbox"/>
Conditions to Avoid	Temperatures above 760°C - would release toxic & corrosive gases
Incompatibility (Materials to Avoid)	Alkalis and water reactive materials like oleum cause exothermic reactions.
Hazardous Decomposition of Byproducts	Sulfur oxide gases (toxic & oxidizers & corrosive). Trioxide is a fire hazard.
Hazardous Polymerization	
May Occur	<input type="checkbox"/>
Will Not Occur	<input checked="" type="checkbox"/>
Conditions to Avoid	N/A

SECTION V - HEALTH HAZARD DATA

Primary Routes of Entry:	
Inhalation	<input checked="" type="checkbox"/>
Skin Absorption	<input type="checkbox"/>
Ingestion	<input checked="" type="checkbox"/>
Not Hazardous	<input type="checkbox"/>
Health Hazards:	
(Acute)	Ingestion may irritate gastrointestinal tract. May cause nausea, vomiting and purging. Skin irritation on repeated or prolonged contact or when moisture is present.
(Chronic)	
Carcinogen Listed In	
NTP	<input type="checkbox"/>
IARC Monographs	<input type="checkbox"/>
OSHA Regulated	<input type="checkbox"/>
Not Listed	<input checked="" type="checkbox"/>
Signs and Symptoms of Exposure	May reach TLV without visible indication
Medical Conditions Generally Aggravated by Exposure	Respiratory problems
Emergency and First Aid Procedures	
Eye Contact:	Flush with water for 15 minutes and seek medical attention if needed.
Skin Contact:	Flush with water and remove contaminated clothing.
Inhalation:	Remove to well ventilated area.
Ingestion:	Induce vomiting and seek medical advice.

- Seek medical assistance for further treatment, observation and support if necessary -



A.H. Hoffman, Inc.
P.O.Box 290
Lancaster, NY 14086

Date: June 1, 2000
MSDS No.: SP66505 (c)
Page 3 of 3

SECTION VI - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): NIOSH approved dust & mist respirator when required for nuisance dust.
Protective Gloves: Rubber or Vinyl
Eye Protection: Chemical Goggles
Ventilation To Be Used:
 Local Exhaust: ☒
 Mechanical (General): ☐
 Special: ☐
 Other (Specify): ☐
Other Protective Clothing and Equipment: Long sleeved shirt and trousers, hard hat or other head covering and boots.
Hygienic Work Practices: Eyewash and shower in work area.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Released or Spilled: Shovel up dry chemical & place in covered container. Spray residue with large amounts of water and neutralize with soda ash or lime. Adequate ventilation required due to release of carbon dioxide gas.
Waste Disposal Method: Dissolve in water, neutralize with alkali; then flush to sewer with large quantities of water, if permitted by applicable disposal regulations.
Precautions to Be Taken in Handling and Storage: Store in cool dry area. Avoid contact with eyes, skin or clothing. Avoid breathing dust.
Other Precautions and/or Special Hazards: None listed

NFPA Rating*	Health	1	Flammability	0	Reactivity	1	Special	0	HMIS Rating*	Health	1	Flammability	0	Reactivity	1	Special	0	Personal Protection
*Optional																		

Manufacturer's Notice

The information contained herein is based on the data available to us and is believed to be correct. However, Hoffman makes no warranty, expressed or implied, concerning the accuracy or completeness of this information. Hoffman assumes no responsibility for injury to vendee or third parties from the use of the product described herein.